

I claim:

1. An assembly designed to reversibly accept a toilet seat comprising:

5 a toilet bowl with a rear flange having at least one cylindrical vertical opening therethrough;

at least one rod substantially longer than the thickness of the flange and dimensioned to be received within the vertical opening, said rod being threaded on its outer surface;

10 thread means disposed within said vertical opening for cooperation with said threaded rod and for securely retaining said threaded rod within the vertical opening; and

15 at least one toilet seat bracket to which the toilet seat is attached, said bracket for securing the toilet seat to the toilet bowl flange, and said bracket comprising attaching means to attach said bracket to the toilet seat, a base member having a top surface and a bottom surface and an opening therethrough, said opening being large enough for the rod to pass through, and a cap;

20 whereby when the toilet seat is placed on the flange so the opening in the bracket communicates with the vertical opening in the flange, the rod can be passed through the opening in the bracket into the vertical opening in the flange a sufficient distance such that the rod is secured therein by cooperation with the thread means and the top of the rod projects above the top surface of the bracket and can be covered by the cap, and thereafter, the toilet seat can be removed from the toilet by removing the cap and lifting it from above the flange and can easily be replaced thereon.

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2. An assembly as in claim 1 wherein the thread means comprises threading disposed about the walls of the vertical opening in the flange, said threading sized to cooperate with the threading on the outer surface of the rod.

5 3. An assembly as in claim 1 wherein the thread means comprises a tubular insert disposed within the walls of the vertical opening in the flange, said insert having a substantially smooth exterior wall and a threaded interior wall, said threading sized to cooperate with the threading of the outer surface of the rod, and adhesive means for permanently securing the insert within the vertical opening.

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4. An assembly as in claim 1 further comprising a head permanently affixed to the top of the rod, said head being larger in diameter than the rod, to secure the toilet seat in place and whereby the rod must be removed in order to remove and replace the toilet seat, such removal and replacement being accomplished from  
15 above the flange.

5. An assembly as in claim 1 further comprising a threaded wing nut configured to be threaded onto the top of the rod to secure the toilet seat to the flange and whereby the toilet seat can be removed, replaced and secured from above the  
20 flange by removing and replacing the wing nut, the bracket and therewith the toilet seat.

6. An assembly as in claim 1 further comprising a countersink in the top surface of the bracket surrounding the opening.

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7. An assembly as in claim 1 further comprising a recess in the underside of the cap.

8. A method for reversibly attaching a toilet seat assembly having at least one attaching bracket with an aperture therethrough to a toilet bowl flange, said method comprising the steps of:

obtaining a toilet bowl with a flange having at least one vertical opening,  
5 said opening having thread means therewithin;

obtaining a threaded rod having a top end and a bottom end, being substantially longer than the thickness of the flange and being dimensioned to pass through the aperture in the bracket and to cooperate with the thread means in the opening in the flange;

10 placing the toilet seat assembly on the toilet bowl so the bracket rests on the flange and the opening in the bracket communicates with the opening in the flange;

passing the bottom end of the rod downward through the opening in the bracket and into the opening in the flange;

15 rotating the rod so that the threading of the rod cooperates with the thread means in the flange opening;

continuing the rotation until the rod is secured within the opening and only a portion of the rod projects above the bracket; and

lifting the toilet seat assembly away from the toilet bowl flange;  
20 whereby the toilet seat assembly can be easily and repeatedly replaced on and removed from the toilet bowl flange from above the flange with no need to reach beneath the flange.

9. A method for reversibly attaching a toilet seat assembly to a toilet bowl as in  
25 claim 8 further comprising the steps of:

obtaining a concealing cap;

placing the concealing cap over the projecting end of the rod and insuring that the top end of the rod is in clearance relation to the underside of the concealing cap;

removing the concealing cap; and

5 lifting the toilet seat assembly from the flange;

whereby the toilet seat assembly can be easily and repeatedly replaced on and removed from the toilet bowl flange with no need to reach beneath the flange.

10. A method for reversibly attaching a toilet seat assembly to a toilet bowl as in  
10 claim 8 further comprising the steps of:

obtaining a wing nut sized to cooperate with the rod;

screwing the wing nut over the projected end of the rod and insuring that the underside of the wing nut is in contact with the upper surface of the bracket;

removing the wing nut; and

15 lifting the toilet seat assembly from the flange;

whereby the toilet seat assembly can be easily and repeatedly replaced on and removed from the toilet bowl flange with no need to reach beneath the flange.

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